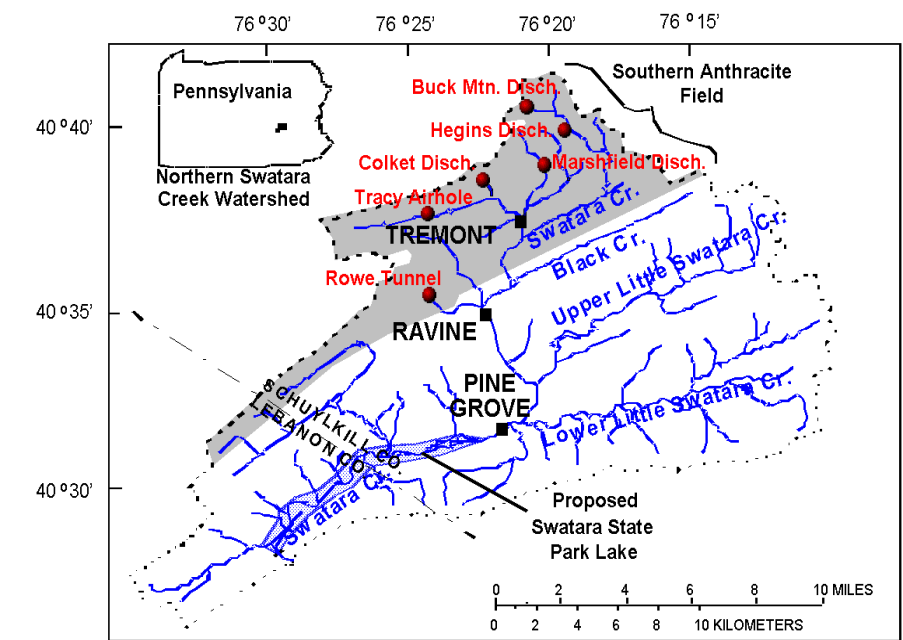


Restoration and Monitoring of Aquatic Quality in a Coal-Mined Watershed, Swatara Creek at Ravine, Pennsylvania

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Swatara Creek drains an area of 577 mi² within the Ridge and Valley Province in east-central Pennsylvania. The upper 43-mi² area above Ravine is underlain by the Southern Anthracite Field. Although several surface and underground anthracite mines presently are active, most mines in the Swatara Creek Basin were abandoned before 1960. Once abandoned, the underground mines flooded producing numerous large discharges that are contaminated with acidity, sulfate, and metals. The polluted drainage from these abandoned mines affects water quality miles downstream. Construction of the proposed Swatara State Park Reservoir has been delayed until the AMD is remediated.

